



Two Rindge and Latin High School students talk things out at a meeting to settle their differences held last Saturday. (Photo by Jim Mihori)

HS resumes classes

By Claudia Perry

Classes resumed at Cambridge Rindge and Latin High School Monday with an abbreviated day of classes designed to allow students to talk about their feelings on the past incidents that have marred the year.

School reopens fully Wednesday with 75 volunteers who will secure the school. The force includes Cambridge clergy, plainclothed police, elementary school teachers and Cambridge youth group counselors.

Rindge and Latin was closed following the stabbing death of Anthony Colosimo, a 17-year-old senior. Colosimo and a friend, William Graham, were stabbed a

week ago. Graham remains in Cambridge Hospital in fair condition. Colosimo was buried Friday.

Since the incident, school officials have met with students and parents in an attempt to avert more violence. Saturday, 16 students met for more than six hours at MIT to discuss ways of relieving the tension.

Some of their recommendations include the formation of a "united student union" at the school to represent "all black, white and bilingual students," and the exposure of elementary school students to programs to help them learn about different races.

Brown opens headquarters

By Alan Lichtenstein

Stating his intention to establish a "real beachhead" in the Boston area, California Governor Edmund G. Brown, Jr. officially opened his national headquarters in Boston Monday.

Brown set New England as the battleground where he will "make my case to the people" in a five-minute speech preceding a press conference at the campaign headquarters at 89 State Street in Boston.

Addressing a crowd he referred to as "quiet and reflective, which is just the way we need it," the governor lashed out at President Carter's handling of inflation, foreign policy, energy policy, and the President's leadership in general.

Brown, proclaiming that he "sensed a desire for change and a growing perception of the inadequacy of Jimmy Carter's performance in office," offered himself as the logical alternative to Carter

or Kennedy as the candidate that the Democrats should choose to run for the presidency.

Disappointed by the rhetoric he sees coming from the White House, Brown sees the need for a man of action in the White House, and feels he is that man.

Brown sees the foreign policy in our country as "not being faced up to by the administration, and an adequate solution to Iran has not been articulated."

He stressed that President Carter does not have the courage to act in a coordinated effort with our allies, but instead acts unilaterally and looks sheepishly towards our allies for support. He pronounced Carter's actions on the current foreign policy dilemmas as being "weak, ineffectual, and not coming to grips with the essential issues."

Adding a bit of levity to the news conference, Brown replied to a query about his reasons for moving his national campaign headquarters to Boston by replying "Why not move to Boston? You have to have it someplace — and this is the closest place to New Hampshire I could get."

Commenting on whether he thought it wise of President Carter to keep increasing the pressure on Iran in light of recent comments by Iranian foreign minister Ghotbzadeh that the hostages were in for a "long and hard stay," Brown replied: "What

(Please turn to page 6)

Dean's Post is offered to science education official

By Steven Solnick

The search for a new Dean for Student Affairs (DSA), touched off by the resignation of Carola Eisenberg almost 17 months ago, is finally over.

The position was offered last week to Shirley McBay, currently a member of the Science Education Directorate of the National Science Foundation. McBay, a black woman, has been with the NSF since 1975 and is now Program Director of efforts to provide access to science education for minorities.

Vice-President Constantine Simonides, who led the recent reorganization of the Deans' Office and oversaw the arduous search for a new Dean, stated he was "very, very delighted by the choice". He said, "Judging from her reaction to the people she met while on campus [last week] I am confident she will accept the position and be the new Dean."

McBay met with selected students, faculty and administration last week in a 36-hour visit to the campus. It appeared highly probable in these meetings, that McBay would accept the post after consulting with her NSF supervisors. Simonides hoped for a formal announcement by the end of the month and expected McBay could start by mid-April.

During her visit, McBay met with about 12 graduate and undergraduate students and discussed her observations about the major concerns the new Dean will face. She cited a need for coordination among all the varied student services and a better definition of their relation to the In-

stitute as a whole — for example, the relation of the Placement Office to the Deans' Office. She also expressed a desire to look more closely at relations between the faculty and the Deans' Office.

It appears likely McBay will place special emphasis on the DSA's programs for women, minorities and graduate students. Assistant Dean Robert Randolph said McBay was unwilling to set out any priorities before knowing more about the office. He commented, however, that because of her previous interests in women and minorities one can assume these issues will be addressed. He added, though, that the "handwriting is on the wall" for increased attention to the needs of graduate students, women and minorities and that "all three are obviously concerns of the Deans' Office in the future anyway."

McBay received high praise from various members of the Deans' Office. When asked whether the arrival of the new Dean would disrupt the functioning of the individual sections of the Deans' Office, one staffer stated, "Change always produces anxiety. But after the initial meeting [with McBay] that anx-

iety was alleviated. We can't wait."

Before joining the NSF, McBay spent 20 years at Spellman College in Atlanta, one of the only two colleges for black women in the USA. She served there as Professor of Mathematics, Natural Science Department Head and finally Associate Academic Dean.

The Dean Search was set back this October when a list of candidates submitted by the Search Advisory Committee after screening over 300 applicants was rejected. Simonides confirmed that McBay was not considered by that committee, and asserted that her name did not surface until shortly after that decision. The subsequent offer was delayed until now because McBay was reportedly not originally interested in the job.

Simonides said he was "extremely happy to be able to say that all of the characteristics of the job and the candidates set out at the start of the process will be satisfied with this appointment." Referring to the length of the selection process, Simonides said he has no "second thoughts."



Governor Edmond G. Brown Jr. opening his National Presidential campaign headquarters in Boston.

inside

Jonathan Richmond is loosed upon the world once again, and reports on two local concerts and a play about *The T*. Page 5.

Football injuries, hockey ringers and a lack of managers are some of the issues Steve Aschenase faces when he takes over as Intramural Chairman next month. Page 8.



Brad Schaefer '78 concentrates intensely on deciding his next move while participating in last week's simultaneous chess tournament. (Photo by Jim Mihori)

Feature

Gambling course a sure bet

By Laura Farlie

Approximately 100 MIT students are learning the strategy of consistently winning at Blackjack in the IAP course entitled: "How to Get \$2,000 from a Hotel or Casino on Boardwalk."

"When the casinos decided to put in Blackjack as a sure money-maker they really goofed," attested one accomplished gambler. "With the strategy we are teaching the students are likely to beat the house consistently."

The organizers of the gambling course, Roger Demaree '81 and

James Massar '78, explain that Blackjack is unique in that it is the only casino game that can be beaten exclusive of luck. "In games such as Roulette, the chance of the ball falling on a certain number is independent of what happened the time before," they explain. "However, since Blackjack involves six full decks of cards, the chance of a card with a certain value appearing is directly dependent on how many of those cards were dealt in previous hands."

The students in the course have already memorized a sheet of paper with the computer-designed and tested winning strategy. It is basically a chart which tells one what to do with every possible card combination matched against a dealer's hand. Massar claims that while a person with no knowledge of this strategy loses, on the average, between four and ten cents on each dollar bet, a person who has mastered this strategy breaks even with the dealer.

Card-counting is the process the students are learning. Demaree estimates that through this process, by the end of this course, the students will have the ability to consistently win one to two cents per dollar bet. Massar claims that while this figure seems

(Please turn to page 3)

notes

Announcements

Under their **Women in Engineering Scholarship Program**, Corning Glass Works will award five scholarships to undergraduate women entering their senior year in Sept. 1980 who are majoring in engineering. Preference will be given to those majoring in chemical, electrical, industrial or mechanical engineering. The scholarships provide tuition and fees up to \$2000. Recipients will be required to participate in Corning Glass Works Summer Intern Program in the summer of 1980. Deadline for applications is Jan. 30, 1980. See Jeanne Richard, 3-136, x34869 for information.

* * * *

A limited number of summer research fellowships for MIT undergraduates will be awarded this spring under the **Eloranta Fellowship Program**, intended to support summer research or study projects and associated travel. Any MIT undergraduate may apply, including seniors whose summer projects would actually occur after graduation. Students must submit a written proposal outlining plans for a summer project, including an indication of how the project will contribute to his/her education objectives, how the project will be carried out, the support available, and a budget. Letters of recommendation should be included. Proposals for the summer of 1980 should be submitted before March 24, 1980, to Ms. Norma McGavern, UROP Office.

* * * *

The **Freshman Handbook Committee** would like to include new student essays in the 1980-81 handbook. Contact Peggy Richardson, 7-105, x3-6771

* * * *

The deadline for registering for the **Massachusetts primary** is Fri, Feb. 1, 1980. Massachusetts voting law allows someone registered as an independent to vote in either primary

STUDENT... TYPISTS & CLERKS!

If you have one or more free days during the week, then discover **TEMPORARY** work, a great way to Earn & Learn at the same time! We sometimes have part time openings too... in Boston and Cambridge... in nice cos... easy to reach on public transportation! Make good use of your free time, put extra cash in your pocket! Call or come into

Office Specialists

120 Tremont St., Boston
367-8300 4-5 M-Sat
18 Brattle St., Cambridge
354-7215 12-5 M-F

**ANY
U.S. BOOK
IN PRINT**
ORDERED BY TELEPHONE
DELIVERED DIRECTLY TO YOUR
HOME OR OFFICE
ALL MAJOR CREDIT CARDS ACCEPTED
OUR 8TH YEAR WORLD WIDE
944-8060/7 DAY-24 HOUR
SERVICE
COOPERATIVE BOOK SERVICE
OF AMERICA, INTERNATIONAL
Reading, Massachusetts 01867 U.S.A.

**It's
Your
Vision.**
Hear the real facts
about contact lenses
on a recorded message.
Call
776-1654,
7 p.m.-midnight, Mon., Thurs.,
Fri., Sat., or all day on Sunday.
No cost or obligation.

Ph.D. in Engineering and Public Policy

The Department of Engineering and Public Policy at Carnegie-Mellon University offers an interdisciplinary research-oriented PhD for persons with an undergraduate degree in engineering or the mathematical or physical sciences. Persons with more advanced training or experience are especially welcome. Some financial support is available.

Contact: Engineering and Public Policy,

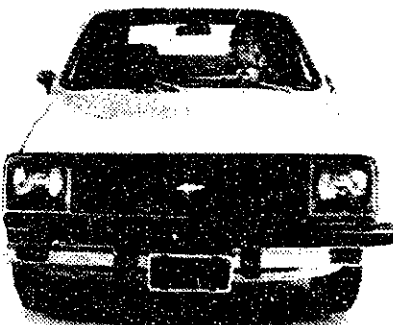
Carnegie-Mellon University, 30914, Pittsburgh, PA 15213

Drive a National car to the slopes and you'll get up the slopes for half the price.

Val Cowen



First, National helps you get to the slopes. Just rent one of our ski specials, and you get a Chevrolet Chevette or similar sized car for only \$13.95 a day with free mileage. You just pay for gas. Then, National helps you get up the slopes. Just ask our counter agent and you'll get 1/2 priced ski lift tickets that are good at Waterville Valley, Mt. Cranmore, Sugarloaf, Loon Mt. or Blue Hills. And they're good until the end of the season. You can get up to four half



We feature GM cars like this Chevrolet Chevette.

priced ski lift tickets with each rental. Offer is available Thursday through Monday and only at these locations: 1651 Massachusetts Avenue, Cambridge (at Holiday Inn) 661-8747, 183 Dartmouth St. (next to the Copley Plaza) 426-6830.

Rates are non-discountable. Car must be returned to renting location. We offer S&H Green Stamp Certificates on rentals in all 50 U.S. states.

\$13.95 a day no mileage charge.

National Car Rental

Maybe we're better.

news roundup

World

UN indicts USSR — The General Assembly overturned the Soviet veto of the Security Council resolution calling for the removal of Soviet troops from Afghanistan. The vote, 104 to 18, was ten more than the two-thirds required for passage. Eighteen nations abstained, many of them traditionally seen as supporters of the Soviet Union. In a related development, a spokesman for the city of Munich, West Germany said Vice President Walter Mondale's suggestion to move the summer Olympics to that city "is not feasible."

Iran expels journalists — Following a ruling by the Revolutionary Council Monday, Abolghassem Sadegh, foreign press director of the Ministry of National Guidance, said American journalists and technicians working for American news agencies would have "two or three days" to leave the country. The order applies to all persons, regardless of nationality, who work for any of the three American networks, or the two wire services. About 100 of the 3000 foreign journalists in Iran are Americans.

Nation

Government agencies destroying files — The Fund for Open Information and Accountability charged that government agencies, particularly the Federal Bureau of Investigation, have been destroying files in an effort to undermine the effectiveness of the Freedom of Information Act. "For well over a year, a movement to weaken the act has developed," Howard Fruchtbaum, historian at the New School for Social Research, told the American Historical Association earlier this month.

Colleges checking athletes' academics — In the wake of a scandal at the University of New Mexico, where a grand jury is investigating charges that the former basketball coach and his chief recruiter falsified the transcript of a junior-college transfer student, colleges and universities are taking a hard look at the academic records of their student athletes. The CAP has announced no similar plans for the members of the football club.

— By Richard Salz

Blackjack — count on it

(Continued from page 2)

trivial, the money adds up. On their last expedition to Atlantic City, the course organizers won almost \$800.

Demaree and Massar are teaching this course by their own choosing and sometimes wonder whether they might be "robbing their own nest" by imparting gambling strategy. However, they find teaching the course "fun" and they are becoming more adept at card-counting in the process. The two also hope to find students in this course eager to play Blackjack with them in Atlantic City.

The obvious setback of strategic gambling, the leaders of the course admit, is that if card-counters are caught in a Casino they are thrown out and ordered never to come back. To this policy, Massar is bitterly opposed: "Why should I be refused a seat at a Blackjack table because I can perform some trivial functions with my mind, anymore than I should be refused a seat if I were black or female?"

Ways to avoid being caught at card-counting will be discussed among the students. Physical disguises may include beards, wigs, changes of hair color and length, and different modes of dressing. If a pit-boss at a Casino becomes suspicious of someone, sometimes it is necessary to change many of one's mannerisms as well. However, Demaree states that the

most important things are to not play for too high a stake and to not act like a nervous card-counter. It was mutually agreed upon by the card-counters that it would be "incredibly stupid if anybody indicated he or she was from MIT."

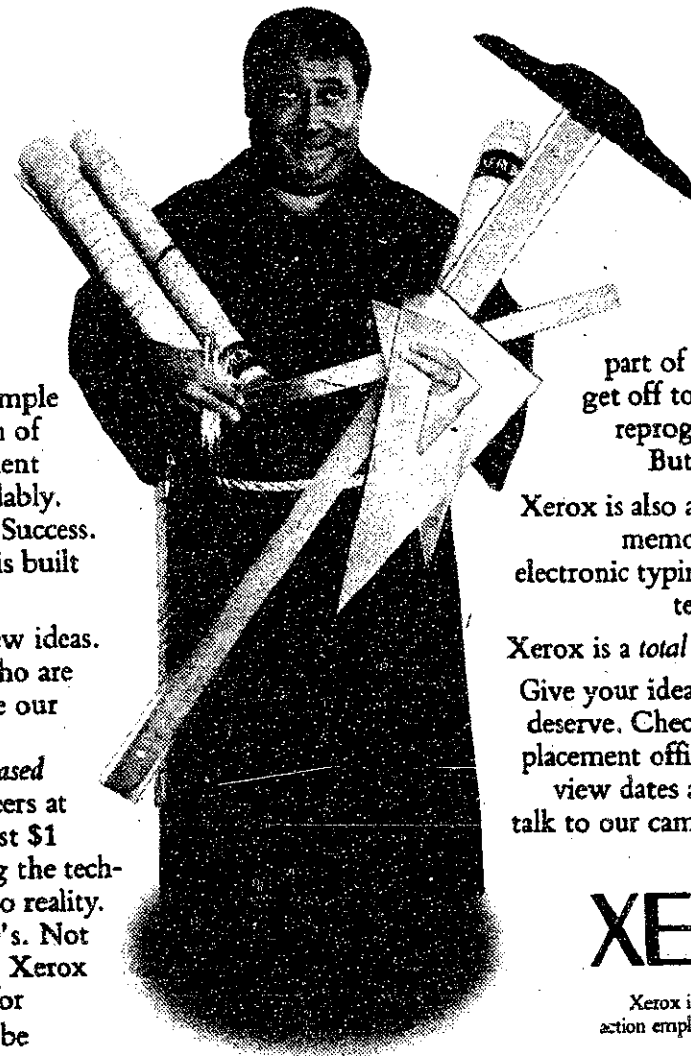
Atlantic City is preferred as a gambling resort by MIT students for a number of reasons. They claim that the odds of winning Blackjack under their strategy are the best at Atlantic City for a number of reasons. They claim that the odds of winning Blackjack under their strategy are the best at Atlantic City. The area is closer to most students' residences than is Nevada and the legal gambling age in New Jersey is eighteen. Furthermore, Atlantic City is regulated strictly by the New Jersey regulating commission, so one is not as likely to be thrown out of the Casinos without reason as in Las Vegas.

The main reason why the card-counting students prefer Atlantic City, however, is because they are not as likely to get caught. Demaree stated, "The Casinos are beginning, and they're incompetent. Even if someone is thrown out, he can come back six hours later, unrecognized — not that I'd recommend it." Bally's Park Place was cited as one place that has difficulty spotting counters, because they are too busy watching their inexperienced dealers.

Don't forget to register to vote by February 1, 1980

This space paid for by The Tech.

Engineers at Xerox work miracles.



Our engineers convert complicated tasks into simple ones. With just the push of a button, Xerox equipment works wonders. Dependably. Our engineers' reward? Success. And Xerox technology is built on success stories.

Xerox is dedicated to new ideas. And to our engineers who are developing them. While our competition cut their R&D budgets, we increased ours. (By 15%). Engineers at Xerox work with almost \$1 million a day converting the technology of the future into reality. Our challenge of the 80's. Not everyone is ready for it. Xerox is. And we're looking for engineers who want to be

part of it. Your future can get off to a great start in our reprographics technology. But did you know that

Xerox is also a leader in processor memory discs and drives, electronic typing and printing and telecommunications?

Xerox is a total information center. Give your ideas the attention they deserve. Check with your college placement office for campus interview dates and schedules. Then talk to our campus representatives.

XEROX

Xerox is an affirmative action employer (male/female)

CAREERS THAT CAN'T BE DUPLICATED

Digital is an Unequalled Opportunity Employer

Like most other companies, we've found that the smartest corporate policy is to promote from within.

But unlike most other companies, last year we greatly expanded our management force. Which creates some terrific opportunities for you.

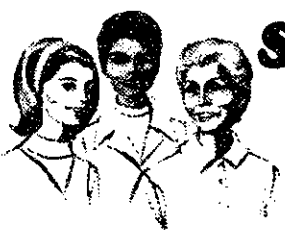
First, it means there are plenty of entry level positions available.

But more important, it means that when you're ready to move up, we're ready to move you up. As fast as possible.

If you're bright and ambitious with a MBA degree, contact your placement office now. And find out what makes Digital an unequalled opportunity employer.

digital

An equal opportunity employer M/F.



Start the New Year RIGHT....

Become Part of

Intercity Homemaker Service, Inc.

An equal opportunity employer

Join the Biggest & Best Homemaker Agency in the State. Earn excellent pay caring for people in their own homes. Work in your own community as many hours as you wish.

Call 623-5210 ★ 321-6300

opinion

Tom Curtis

School spirit can halt fragmentation

Over the past year, putting an end to the "fragmentation" on campus has been a hot issue. Last year, Barry Newman aired the issue at every GA meeting. Last spring, a UAP candidate used it as the cornerstone of his campaign. Most recently, it has been used as partial justification for instituting compulsory commons.

What is "fragmentation?" Its enemies generally define it as a lack of cohesiveness among the student body and the low level of pride in the school. In short, it is the absence of school spirit.

There is no denying the existence of "fragmentation." While students at other schools proudly wear "State U." t-shirts, students at MIT wear IHTFP T-shirts. While students at the most insignificant colleges brag about their schools, many students here wouldn't be caught dead saying anything nice about MIT.

Why does MIT have this problem? The list of possible answers is long. Many students try to dissociate themselves from MIT because they want to escape the "Tech Tool" label many in the outside world pin on MIT students.

Still others are probably down on MIT because of the frustration it gives them. When they come here, most students are accustomed to being very successful academically. However, the MIT system virtually guarantees that some people who graduate in the top ten percent of their high school class will wind up in the bottom ten percent in college. This is definitely an ego-deflator and many students blame MIT and take out their frustration on MIT.

Students are also frustrated by MIT's consumption of their time. The work load at MIT is one of the heaviest in the country and students resent the amount of free time the work takes away.

MIT also lacks a natural regional constituency which would contribute to a sense of school spirit. Students at state universities have often grown up in the area of the school and have probably gone to see the school's football team play on weekends. They thus already have a strong allegiance to the school when they become students. At MIT, 90 percent of the students come from outside Massachusetts. Some had not even heard of MIT until they were in high school; therefore, they have no previously acquired allegiance to the school.

All these obstacles combine to create "fragmentation." Unfortunately, none of these obstacles can be easily removed. Most of them are inherent in any school which seeks to be among the best in the nation. "Fragmentation" is thus not an easy thing to eliminate.

Even so, students in the past year have made some progress. Many groups are strongly pursuing closer contact between students and the administration. Through closer contact, a better sense of cohesiveness and mutual support may develop which could be the beginning of real pride in MIT.

Some students are also trying to organize and improve special MIT weekend festivals when people from all across the campus can get together and have fun. Kaleidoscope has been around for many years and with some work could become an event which would attract widespread participation among the student body. The younger Homecoming Weekend could also become a time for the entire student body to get together.

Progress is slowly being made to bring school spirit to MIT, but it will take time. Real school spirit can only come when students have developed a tradition of pride in MIT, and traditions can't be started overnight. However, with patience, students can eventually reduce the extent of "fragmentation."



Stephanie Pollack

It's the holidays syndrome

And then there were none. No papers, problem sets, finals all gone. So, I wrapped the few presents I'd bought, did enough laundry to convince my parents that I wasn't a total slob, and headed for home. Back to the real world.

Well, guess what? The real world has its problems. The first one I encountered was that of sleep. Out there it starts before 4am and ends before sundown. I had sort of figured that I would have to wake up while it was still light out, and I knew I could adjust to that. But waking up before noon? That's morning; that's when you're supposed to go to sleep.

Another problem was communication. They say you can't go home again. Sure you can — but no one will understand you. I've significantly cut down on my use of "trivial," "random" and "infinite" since last year, but it wasn't enough. In the real world they don't use "orders of magnitude" either. And no one understood what flaming or being greasy was. How primitive can you get?

Another real hassle was just getting around. There is no "T" in East Hanover, New Jersey, and about the only thing within walking distance of my house is the supermarket. You even have to drive to the bus-stop. My younger brother had become accustomed to using the car and wasn't about to change his habits. Besides, I don't particularly like to drive; I have no depth perception, which makes driving quite a challenge. For years I parallel parked a car by bouncing the tires off the curb.

Shopping for clothes was no great joy either. I always wait until I go home to replace the hopeless cases — that way my folks foot the bill. I was shocked by the clothes I saw — literally. The colors were bright enough to cause permanent retinal damage. After carefully examining a wide assortment of fashions in lime green, hot pink and bright purple, I decided that I had no desire to look like a walking box of Day-Glo crayons. So, I settled for a plain ol'

pair of denim jeans.

Little did I know that I had committed a gross social error. My jeans had no name. How gauche!! All socially acceptable jeans these days simply must have names, and Levi's or Wranglers simply will not do. Two names are better than one — Gloria Vanderbilt or Calvin Klein, for example — although Jordache is OK. Even little kids jeans have names, and the labels don't seem to be proportionately smaller. I am seriously thinking of having little labels made for me to sew onto my socially repugnant jeans that say "jeans" — or maybe "blue jeans" so they have two names.

The way I found that my pants were unacceptable was by going out with my old friends from high school. I'm not sure who has changed, they or I, but things certainly are different from a couple of years ago. One thing never changes, though — it's something my boyfriend calls the "New Jersey Syndrome." It seems that every time a group of people from the oft-maligned state get together and one starts mentioning friends, from school or wherever, someone else in the group invariably knows some or all of the people in question, or their mother or cousin or dog Fido. This drives my boyfriend absolutely crazy. I always thought it was perfectly normal, having grown up with it, but recently I noticed that it did not seem to be as true with people from other states. I always knew that New Jersey was unique.

Anyway, I was flaming about the real world, not New Jersey. It does have some selling points, you know. I got to watch television for the first time in a long while (no, it hasn't gotten any better). It was nice to spend some time with my family, and be showered with love and affection and money. But you know what the best part was? The food out there actually tastes — not necessarily good, but it tastes like something. That's one up on commons.

The Tech

Steven F. Frann '80 — **Chairman**
Thomas Curtis '80 — **Editor-in-Chief**
Kathryn E. Gropp '80 — **Managing Editor**
Pandora Berman '80 — **Business Manager**

Volume 99, Number 55
Wednesday, January 16, 1980

PRODUCTION DEPARTMENT

Night Editors: Stephanie Pollack '82, Jon von Zelowitz '82;
Associate Night Editors: Marlon K. Weiss '80, Matthew B. Alschuler '83;
Production Manager: Bruce Sohn '83; **Graphics Artist:** Linda Schaffir '82; **Staff:** Guy Davidson '82, Rolf G. Embom '83, Roy Iwatake '83, Judy Passman '83, Ed Seim '83, Wendy Rowe '83.

PHOTOGRAPHY DEPARTMENT

Photo Editor: Kevin Osborne '82; **Darkroom Manager:** Timothy Hilby '82; **Staff:** John Borland '80, Charles F. Irwin '80, James Jackson '80, Shawn Wilson '81, Reggie Chen '82, Maryann Helferty '82, Marvin Horn '82, Colin Kerwin '82, Chris Moran '82, Ken Schreibman '82, Richard Soley '82, Richard Tello '82.

SPORTS DEPARTMENT

Sports Editor: Bob Host '81; **Staff:** Dennis Smith '81, Rich Auchus '82, Eric Fleming '83, Robert Labarre '83, Steve Kim '83, Arlene Santos '83.

ARTS DEPARTMENT

Arts Editor: David G. Shaw '81; **Staff:** Al Sanders '81, Jonathan Cohen '82, Kevin Cunningham '82, Joseph Kristl '82, Jonathan Richmond G.

The Tech (ISSN 0148-9607) is published twice a week during the academic year (except during MIT vacations), weekly during January, and once during the last week in July for \$7.00 per year Third Class by The Tech, 84 Massachusetts Ave. Room W20-483, Cambridge, MA 02139. Third Class postage paid at Boston, MA. Non-Profit Org. Permit No. 59720. **POSTMASTER:** Please send all address changes to our mailing address: The Tech, PO Box 29, MIT Branch, Cambridge, MA 02139. Telephone: (617) 253-1541. Advertising, subscription, and typesetting rates available. © 1979 The Tech. Printed by Charles River Publishing, Inc.



arts

Love Songs, Vivaldi's Seasons, & The T

Scene: Baker Library, Harvard Business School; 3:10 pm. *The Tech* music critic attempts to coerce photocopy machine into operation without success. Digests a nickel, remains in hibernation. A patiently waiting woman points kindly at a rather large button on the front of the machine. Ah! Six pages later discover that have been placing sheets in the wrong place. Queue of seven people waiting to use the machine. Concert begins 3:30.

3:40pm. Still can't find Sanders Theatre. Regular followers of this column (I believe there are approximately two of them) may have realized by now that destiny never intended this music critic to actually attend a concert. So original was the nature of the great journal he was writing for that his task was to miss concerts, and write about the music he had not heard.

3:45pm. Having set foot in virtually every corner of Harvard, stumble perchance upon Sanders Theatre, a strangely shaped building which appears to have grown from some malformed culture (I am not referring here to avant-garde music) in no particular order, with no particular reason. Well naturally the concert was sold out and was just starting. Vain pleas to be allowed to stand at the back. Only one way out. Shock, horror, probe, scandal! The earth-shattering power, the Batman overcoming, *The Tech*! That voice of thunder when presented on pocket card entrances all. "No sweat" says the manager, and the critic enters upon the first movement of Prokofiev's *First Symphony*, the Classical.

The orchestra is the Pro Arte Chamber of Boston, and what a beautiful, silky sound they produce under conductor Joseph Silverstein in the *Larghetto*. One is immediately aware that this is a body of refinement.

Next is *Four Grecian Love Songs* by Thomas McGah; mysterious pieces propelled by distant powers. Although Maryann McCabe didn't use all the vocal variety that might be desired in her rendition, together with the orchestra a deep colored picture of mood was created, even if that color was fixed throughout and did not wander into adjacent dimensions. The playing of Mozart's *Serenade No. 12* which followed on from this sounded strangely stunted, and then arrived the intermission.

Intermission concluded, an announcement was made to the effect that audience was not to sit in the aisles. Critic galvanizes himself against back wall, dropping pen top which clatters with spiteful insistence to the floor. Needing a refill, remove bottle of ink from bag. Half the bottle has already emptied all over the painfully-obtained photocopies

contained within. The other half finds its way trickling down the critic's arm.

The performance of Vivaldi's *The Four Seasons* is most interesting, with Joseph Silverstein both conductor and soloist. His solo work was detailed and impeccable and with the rest of the crew, the earlier impression of refined virtuosity was once more created. The slow movements were particularly beautiful; wafting along some misty Venetian waterway was the sensation inspired; the haze of summer was directly felt, the perils of winter were perhaps not adequately brought home - maybe over-refinement has led to lack of bite. As a whole this was a fascinating and enjoyable programme; the next concert in the series is on 17 February and information can be had on 267-9060. Admission for students is only \$3.

* * * *

9:00pm. Peoples Theater, Inman Square. Box office lady threatens critic's life and limb unless a good notice is printed in *The Tech*. Critic informs her that he positively adores writing bad reviews (I am referring here to the subject matter of the item in question, and not to the content). Inside the auditorium are twelve other people and a dog. The dog belongs to a blind man, and provides added entertainment during the show in adventures onto the stage. The handicapped are generally underprovided for in the theatre, but there is no valid reason why they should be excluded, so it was pleasant to see the blind man smiling with pleasure during the show. Another member of the audience walked round collecting the autographs of all present. He apparently has 25,000 signatures on 2,000 programmes. Reminds me of Willy Loman. But what of his life?

The show... ah yes, well it's called *The T* and it's written by a woman bus driver. No, this is not your opportunity to roll *The Tech* up into a little ball. Hang on... GERALYN HORTON, having left her job as production assistant with The Opera Company of Boston, by chance and pressure of unemployment found herself engaged with the T. A serious playwright, she reckoned on getting good material out of it. This material, entered in a notebook of "interesting things that happened to me on the job," became the current play, everything in which, she emphasises, really happened. Full of verve, the result is oh so fresh; the obvious result of personal experience, lovingly, hatingly recreated.

Six actors take part, each taking on several roles, of drivers, inspectors, passengers, recreating scenes from life on the T. Each character thus created springs to

life as *that* type of person you have inevitably met... oh where was it? The woman who doesn't know where to get off; the man who doesn't know where to leave off annoying the driver. There is a strong current of feminism throughout, of passengers both men and women disrespecting the woman driver, and of fellow male drivers treating her as a porcelain vase.

The matter-of-fact air of Gray Kirby as the Inspector was marvelous. Also of note was the resigned performance of Janet Cicchese as a bus driver transformed into the picture of a passenger whose life and sorrows briefly enter, deeply moving as she states how she once thought it nothing to cross the ocean but now finds it a struggle to cross the

(Please turn to page 6)



The six actors in *The T* wait for their bus at the People's Theatre in Inman Square.

THE MIT MUSICAL THEATRE GUILD PRESENTS

COLE PORTER'S

ANYTHING GOES

THURS, JAN 17
THRU WED, JAN 23

CURTAIN AT 8PM, EXCEPT
SUN MATINEE JAN 20 - 3PM

TICKETS: \$5.00 - FRI & SAT
\$4.00 - ALL OTHER PERFS

HARVARD & MIT DISCOUNTS
FACULTY & STAFF - \$1 OFF
STUDENTS - \$2 OFF

LOEB DRAMA CENTER
64 BRATTLE STREET, HARVARD SQUARE

INFO & RESERVATIONS CALL 253-6294

Management careers for those who appreciate the virtues of success.



Thanks to our management team, Xerox is entering the 80's with a future that never looked better. Or more exciting. We see a time of great change. Where our leadership of tomorrow will be determined by what we develop today. But Xerox literally wrote the book on people-oriented management, so we're looking forward to the challenge. We're even selling our concepts to other companies trying to duplicate our success. But we still set the standards.

MBA's who start with Xerox have many paths to choose from. All leading to the top. We're worldwide leaders in reprographics, telecommunications, publishing, and much more! Best of all, we have a real competitive edge in all these areas, and that's a great advantage.

You can't find a company with more to offer an MBA than Xerox. If you're looking forward to challenges, and managing ambitious programs, we'd like to hear from you.

Check with your college placement office for campus interview dates and schedules. Then talk to our campus representatives about careers that can't be duplicated.

XEROX

Xerox is an affirmative action employer (male/female)

Automatic Speech Recognition

Career opportunities for new & recent Computer Science/Engineering graduates in speech recognition system product development, research, data base, language and simulation facilities.

(Summer and part time positions also available.)



For the above positions, please call Paula Welsh collect at (617) 489-2830. Dialog Systems Inc., 32 Locust St., MA 02178.

An Equal Opportunity Employer M/F

DIALOG SYSTEMS, INC.

An Affiliate of EXON Enterprises Inc.

The T

(Continued from page 5)

street.

We all know these scenes, but when we do take them in, when do we pause to look at real life? How deep and strange and wonderful is real life! Who needs fiction when there are observers around as talented as GERALYN HORTON?

Barbara Griffith is effective as a querulous customer as well as an abused black woman driver. Nan Mulleneaux as a bitch of a high-society dame having lost car keys and fifteen charge cards draws the role out with cruel precision. John Savoia is a good old-fashioned MCP (which in this context does not refer to the degree awarded by the Urban Studies Department at MIT). Neil Donahoe shows strong signs of vocal talent in his singing — appropriate music is injected at intervals into the run of affairs. Do go and swell the audience of the Peoples Theater. Performances of *The T* run until March 9, and the cost is \$4. Information on 354-2915.

Besides the person with me and myself, three other members of the audience turned out to be MITers; the smiling nebbishes were, the critic discovered, the brains (is that the right word?) behind the sado-masochistic T-hopping exercise performed yesterday; they were obviously looking for inspiration. And so the quintet wound its way laughing through the streets of Cambridge until back in the warm embrace of Big Brother Institute. In need of a drink, decide on... T.

2:30am. Cannot sleep. Walk to the window and look out over Boston by now only semi-speckled with light. With opera glasses peer at adjacent dorms, bathed in darkness except for the light of one guilty student bent rapt over his books. The righteous sleep, dreaming of dancing formulae; the less righteous dream of being ensnared by wild integral signs, surrounding them, munching them up. Gobble, gobble. The dome in the distance is bathed in orange light, in the stillness a Phoenix arisen. And the critic is awake.

— Jonathan Richmond

Brown on Iran

(Continued from page 1)

pressure? What have we done? We reneged on a contract to purchase oil at \$20 per barrel and the Japanese came in and bought it at \$35 a barrel. I'd say that was helping them, not hurting them."

Recognizing his position in the three-man race for the democratic nomination, Brown would not discount himself from receiving the nomination, saying that the "volatility and unpredictability of this period raise open this nomination. People are prepared for a change, that's what I offer."

abortion
birth control
pregnancy tests
tubal ligation
vasectomy
individual counseling
uniquely combining
warmth and understanding
with excellence in medical care

**the
crittenton
clinic**

10 Perthshire Rd.
Boston, Ma. 02135
617/782-7600

sponsored by the
Crittenton Hastings House
a non-profit social service agency
serving women since 1836
Free Parking
We accept Master Charge & Visa

Mesh Around for \$\$

MIT Student Contest to find an application for a unique mesh product.

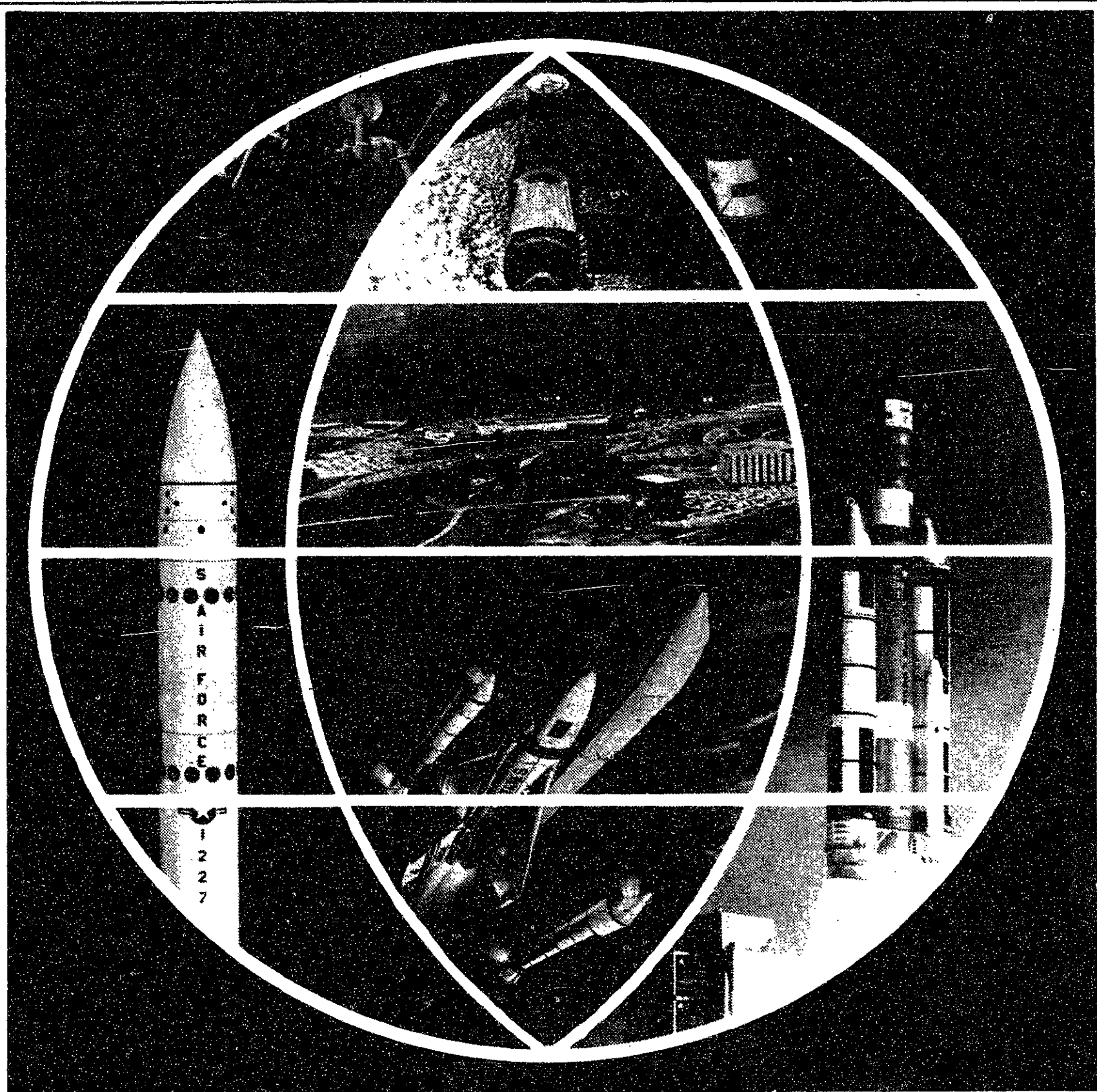
First Prize: \$1500

Second Prize: \$750

To enter pick up sample and product description in Room 33-111.

For more information Call Alison Saylor, x3-6947 or look in the IAP Guide, Activity #606.

Contest ends February 1, 1980 at 5pm.



A world of careers in Aerospace for tomorrow-minded college graduates.

**See our
representative
on campus
Feb. 7**

Our Denver Division has many new opportunities awaiting college graduates. Major facilities are located at Denver, CO.; New Orleans, LA.; and Santa Maria, CA.

Careers Begin Here

If you're considering a career in aerospace, you won't find the challenge greater nor the work more rewarding than at Martin Marietta. Work in such exciting areas as Command and Information Systems, Solar Systems, Space Satellites, and Payload Integra-

tion. Overall, we have over 300 contracts including 4 major contracts over 150 million dollars each extending into the 1980's. They include the external fuel tanks for the Space Shuttle, Space Launch Systems, Titan, Space and Defense Systems including the new generation mobile Missile X.

Opportunities Now

Within these areas are many entry-level growth positions that offer practical experience in the advanced state of the engineering art. Such fields as • Software • Test • Propulsion • Thermophysics • Structures • Mechanisms • Dynamics • Stress • Materials • Mission Analysis • Product Development • Industrial Engineering • Logistics • Integration • Systems • Guidance & Control • RF Systems • Communications • Data Handling • Power Systems • Payloads & Sen-

sors • Quality • Safety and Manufacturing.

In addition to job opportunity the company's comprehensive program of employee benefits has a financial value equivalent to approximately forty percent of the employee's income. Included are: Company-paid insurance, performance sharing plan, retirement plan, vacation, education reimbursement and long term disability plan.

Interested graduates please contact Martin Marietta Aerospace. Attn: College Relations, P.O. Box 179 (#D6310) Denver, CO 80201.

MARTIN MARIETTA

Martin Marietta is an Affirmative Action Employer actively seeking the Handicapped and Veterans.

National Security regulations require United States Citizenship.

sports

Aschkenase speaks out

(Continued from page 8)

Aschkenase commented on a recent development in the intramural hockey program, where a high scorer trophy is planned for each league. To verify scorers, rosters and score sheets have been checked closely this year with the result that from 30 percent to over 50 percent of intramural teams have been found to play with ineligible participants, according to high-level intramural sources. Although the rules call for forfeits, fines, and season ineligibilities, the widespread nature of the problem brought about a change. Teams have been given a grace period until the end of this month in which to adjust their rosters. Forfeits will still apply in tie games in which an ineligible player skated, and in games in which ineligible players scored goals that affected the game's outcome. However, no fines will be levied, and the offending player will still be allowed to be added to the roster.

Aschkenase said that whatever is best for the sport should be followed, but noted that the worth of a good goalie or defenseman could not be measured by goals scored when they prevent goals from being scored. IM hockey manager Ricardo Sitchin '80 noted that goal scoring is independent of position and that his obligation as manager is to follow the rules and assure that the season runs smoothly. Sitchin discussed the matter with co-manager Richard Kotosky '81, outgoing IM Chairman Peter Lemme '80, and intramural supervisor Dave Michael. Michael added that the course of action was basically decided beforehand and that the managers "wanted my blessing." Aschkenase added that a joint decision was as fair a decision as could be made in the situation.

Aschkenase also addressed the issue of the Octathon, which in his opinion could undergo some changes. He said that hockey would be a good choice as the eighth sport for the competition. In addition, ultimate frisbee will probably have referees for next year's competition. As for a possible entry requirement for the Octathon, such as one whereby a living group must have at least four A-league teams, Aschkenase holds the view that every living group should be able to enter a team if they wish, regardless of the number of A-league teams it has.

As for sport managers, activities such as softball have heated competition for the post while some sports go down to the last possible IM council meeting before a manager is selected. Aschkenase added that for someone to take a post such as softball manager, which involves running a sport that is outdoors and subject to the weather and has more teams than any other intramural activity, "you have to like the sport."

SUPER TYPISTS CRAZY HOURS

6-10 PM? 6-11 PM? Midnight to 8 AM? 9 AM to 1 PM? Week-ends? Holidays? If you type 70 wpm or better, we need typists for draft transcriptions. Exp. not necessary. Interesting lectures, interviews, conferences, etc. No correspondence. This work will be done in our own offices. Call 423-2986. Downtown or H. Sq.

THE SKILL BUREAU

IM Wrestling Results

By Bob Host

In the intramural wrestling tournament held last month, Sigma Alpha Epsilon (SAE) won the team title over Delta Tau Delta (DTD) 63.5-51, led by victories in the 167 lb. and heavyweight division.

A 5-0 decision by Jeff Olson over Burton's Stuart Rubin and a pin by Bruce Wrobel over Michael Bailin of East Campus in 2:20 were SAE's two victories. DTD was boosted by consecutive victories in the 150 and 158 lb. weight classes. The only other team to have more than one winner was Chocolate City, which came in third with 44.5 points. Chocolate City took the 118 and 177 lb. classes.

There were 70 wrestlers entered in the competition, which ran smoothly and did not have any in-

juries. To possibly increase the number of contestants, next year's tournament might have weigh-ins the day before the competition, according to IM wrestling manager Mark Copman '81.

Team Results

Sigma Alpha Epsilon	63.5
Delta Tau Delta	51
Chocolate City	44.5
Burton	39
PKS	23
LCA	19
Fiji	18
BTP	17
Random	14
East Campus	11.5
ZBT	11
AEP	6
TEP	6
PLP	4
ATO	3

Weight Classes

118	1 Spencer CC (10-1)
	2 Weiss Bur
	3 Moriwaki ATO

126

1 Heintz PKS (3:48)
2 Chippola PKS
3 Johnson CC

134

1 Lesieutre Ran (4-0)
2 Routhier Bur
3 Blumfield AEPi

142

1 Potash LCA (2-10T)
2 Johnson CC
3 Lombardo SAE

150

1 Wilson DTD (4-3)
2 Thompson ZBT
3 Robertson Fiji

158

1 Szarawarski DTD (Def.)
2 Love DTD
3 Stanion Bur

Hyw

1 Wrobel SAE (2:20)
2 Bailin EC
3 York DTD

167

1 Olson SAE (5-0)
2 Rubin Bur
3 Lobo LCA

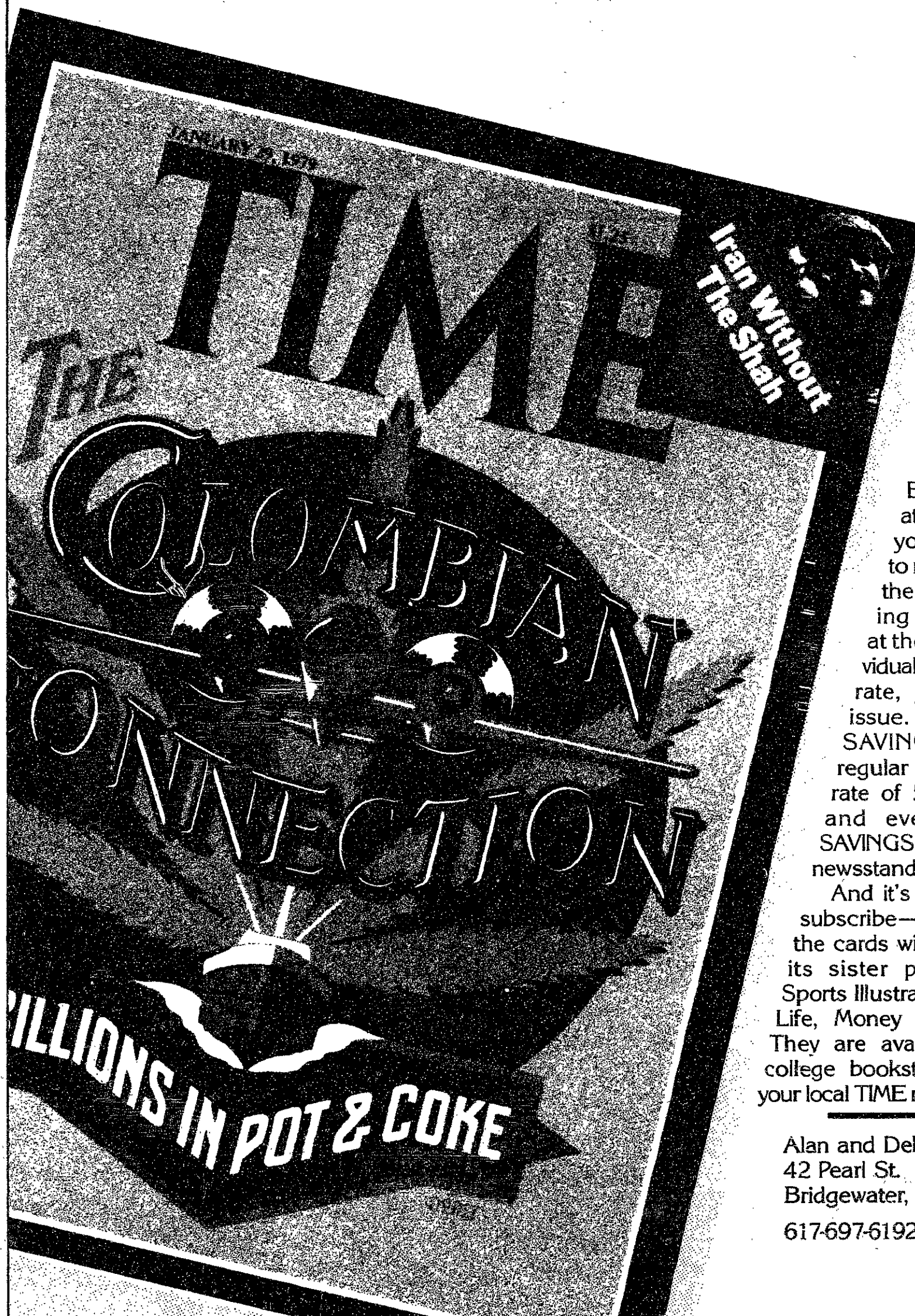
177

1 Watkins CC
2 Nelson Fiji
3 Stauduhar SAE

190

1 Marshall BTP (7-2)
2 Drutchas SAE
3 Napor SAE

THE LEADING NEWSMAGAZINE AT THE LOWEST PRICE.



Because you attend college you are eligible to receive TIME, the world's leading newsweekly at the lowest individual subscription rate, just 35¢ an issue. That's BIG SAVINGS off the regular subscription rate of 59¢ an issue and even BIGGER SAVINGS off the \$1.25 newsstand price.

And it's so simple to subscribe—just look for the cards with TIME and its sister publications, Sports Illustrated, Fortune, Life, Money and People. They are available at the college bookstore or from your local TIME representative:

Alan and Debrah Anacki
42 Pearl St.
Bridgewater, MA 02324
617-697-6192

New IM Chairman D-league team is unique looks at football

By Bob Host

Newly-elected Intramural Council Chairman Steve Aschkenase '81, who takes office next month, has been seeking contacts with other colleges concerning the MIT intramural football program.

Aschkenase noted that in one D-league football game last season, one player had his nose broken, another player was limping, and Aschkenase himself had a headache after the game. He added that at some schools, the intramural referees make a point of explaining how much hitting will be allowed at the first incidence of such behavior. Said Aschkenase of similar programs at the University of Massachusetts and the University of Vermont, "If they can work it out there, we can

work it out here."

To counter such behavior, Aschkenase noted that many solutions have been offered but that he would not consider giving the referees the power to levy fines in a game. He speculated that if a referee were in a bad mood one night, minor violations could be exaggerated into situations where fines would be handed out. Regarding verbal abuse of referees by players, he said "you'll never stop the comments (but) the comments are not that bad." He added that it is usually the same people that complain, but most of the time players on the same team restrain the recalcitrant offenders. The difficulty occurs, he believes, when nobody tries to stop a potential troublemaker.

(Please turn to page 7)



D-League IM basketball team Bruce. Seated (left to right): Steve, Steve and Steve. Standing: Steve, Steve, Steve and Stevie. (Photo by Barry Starr)

By Steve Levin

Traditionally the most skill and the best played games in IM sports are found in the A and B leagues. However, it is in the C and D leagues where some of the more unusual and interesting teams are found. Perhaps the most novel IM team of all is

found in D league basketball.

The team is "Bruce," an innocent and not really strange name in a sport with such teams as "Mangled Baby Ducks," "Outhouse Orgy," "Withered Stump," and even "Intestinal Flu." What makes "Bruce" different is its roster. Steve is on the

team. So is Steve. In fact, everybody on the team is named Steve. One Steve, the founder and captain, explains, "I live in Baker. This September all the frosh I met would say, 'Oh, another Steve.' I realized it was the most common name in the dorm. That set me thinking and the idea for the team came to me. The name 'Bruce' was chosen over 'Steve,' which was too obvious. Also, there was a Monty Python skit with Australians all called Bruce."

The team record so far is 2-3, although due to big wins and close losses they have actually outscored their opponents overall. The captain adds, "The two high points so far have been the arrival of team shirts, which all say Steve, of course, and a 24-10 win when we were coached by the captain of the 1979 A league champions, Silvano Brewster. We did, however, rename him Stevano Bruceter."

on deck

Wednesday

Men's fencing at Clemson .noon
Women's fencing at Clemson .noon
Hockey at Gordon 8pm

Thursday

Men's fencing at North Carolina with Duke 11am
Women's fencing at North Carolina with Duke 11am
Women's basketball vs. Pine Manor 7pm
Men's basketball at Wesleyan 7:30pm

Friday

Men's fencing at Johns Hopkins
Women's fencing at Johns Hopkins
Women's swimming vs. Northeastern
Men's swimming vs. Boston College 6pm

Saturday

Skiing, Alpine Team at Norwich
Women's fencing vs. Concord-Carlisle High 1pm
Indoor Track, Colby Relays 1pm
Women's basketball vs. Stonehill 1:30pm
Men's gymnastics at Dartmouth 2pm
Women's gymnastics at Dartmouth 2pm
Wrestling vs. Amherst 2pm
Men's basketball vs. Bowdoin 7:30pm

Sunday

Skiing, Nordic Relays at Lyndonville, VT

Monday

Squash vs. Trinity 4pm
Women's basketball vs. Endicott 7pm

classified advertising

Russian-English technical and semi-technical translators wanted. Superb sense of English required. The Scientific Translation Company 262-2225 (Mr. Silverman), with name and address for sample test.

Roommate wanted to share 2-bedroom apartment (modern, fireplace) on Cambridge St. in Boston (near Charles T-stop). \$212.50 mo. (includes ht. and hot water). Feb. 1. Call Gretchen at home (523-1413) or work (661-1840 x123)

Rent a compact 4.5 Cu. Ft. refrigerator from now until May 31st. For \$28.95 B&B Refrigeration 364-2218

1967 Volvo 122S standard shift 2dr. \$400
1969 British Leland Rover 2000TC 4-door \$300 Some rust some dents. Engines OK
1972 Volvo Wagon 1455 std. \$1000 Call 471-0973. Will accept offers.

Temporary Sales Help — Boston manufacturer of exclusive Ladies Designer Accessories has temporary position open for ambitious students interested in Xmas sales (of surplus stock). All items are ideal for Xmas gifts. Call 227-4381 Laurie — evenings.



Get a problem solver that's solving problems in the real world.

The more your courses approach the problems of the real world, the more you need a calculator that's already there.

These two programmable calculators from Texas Instruments can take you from your engineering courses right into the ranks of professionals like the ones who created the complex programs to simplify and speed up scoring at the Winter Olympics.

The TI Programmable 58C lets you spend your time learning concepts instead of working problems. \$130*.

Perhaps your current calculator can solve advanced engineering problems, but you'll probably spend a lot of time doing it. With the TI-58C's 480 program steps or up to 60 memories, plus 170 keyboard functions and operations, you'll be amazed at just how much of the work the TI-58C will do for you.

The TI-58C has a Constant Memory™ feature that lets you lock a program in the machine — even when it's turned off. You can program the calculator as you learn in class and use it later to review the concept and work the problems. You can store results or data in the calculator, even if you turn it off, for later use.

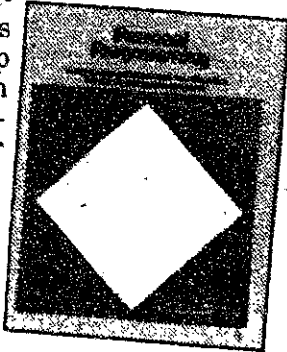
The TI-58C will seem like more than a calculator — its computer-like capabilities let you design your own programs or use Texas Instruments unique plug-in Solid State Software™ modules with ready-to-

use programs. A Master Library module (included with the calculator) has 25 basic programs in math, statistics, and other areas of general interest. Twelve optional library modules include programs on applied statistics, advanced mathematical routines, electrical engineering, business decisions, and much more.

With all of its capabilities and functions the TI-58C is simple to operate using TI's AOS™ algebraic operating system. The AOS entry system lets you enter problems the way they are written — from left to right — and handles up to 9 levels of parentheses in accordance with the rules of algebraic hierarchy.

With the TI-58C you'll also get a copy of *Personal Programming*, an owner's manual that'll help get you started in programming — even if you've never programmed before. **The TI Programmable 59 goes from engineering to the Winter Olympics. \$300*.**

The reason the Winter Olympics chose the TI-59 for verifying scoring results at many events is the same reason it can help you get all you can from your courses — versatility.



Up to 960 program steps or up to 100 memories plus 4 types of display testing, 10 user flags, 72 labels, and 6 levels of subroutines let the power of programming help you make short work of complex problems.

Even with all the 175 keyboard functions and operations at your command, the TI-59 responds to simple AOS algebraic entry system control. So the calculator becomes part of the solution — not part of the problem.

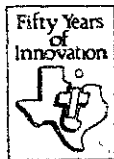
The TI-59 uses Texas Instruments Solid State Software modules and comes with the Master Library module. You also get the added versatility and capability of magnetic cards to record your own programs. With them you can also tie into programs on modules for extended programming routines.

You'll get a copy of *Personal Programming* with your new TI-59 that'll help you get all the power we put into it. And the book can start you programming even if you've never tried it before.

If you're starting on the way to a career in engineering get a calculator that'll help you get there. And get one that'll continue to serve you well on the job.

See the whole line of advanced Texas Instruments calculators at your college bookstore or at other TI dealers everywhere.

*U.S. suggested retail price.



Texas Instruments technology — bringing affordable electronics to your fingertips.

TEXAS INSTRUMENTS
INCORPORATED

© 1980 Texas Instruments Incorporated

45632A